

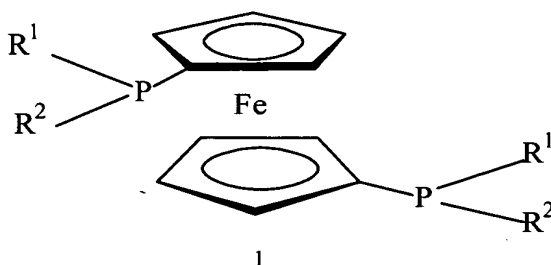
**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**CLAIMS**

1. (Currently Amended) A supported catalyst suitable for the hydrogenation of aldehyde, and alkene or an alkyne, comprising a cationic rhodium(I) complex of a diposphine ligand of the formula



wherein R<sup>1</sup> and R<sup>2</sup> are the same or different hydrocarbon groups of up to 30 ~~Carbon~~ atoms or R<sup>1</sup> and R<sup>2</sup> are linked to form a ring, and a heterogeneous support medium that provides anionic binding sites comprising a cation exchange resin containing sulphonic acid groups – SO<sub>3</sub>X<sup>+</sup>, wherein X<sup>+</sup> is a proton or any other exchangeable cation.

2. (Canceled) ~~A catalyst according to claim 1, wherein the support medium comprises a heteropolyacid anchoring agent.~~
3. (Canceled) ~~A catalyst according to 2, wherein the heteropolyacid is of the Keggin type.~~
4. (Canceled) ~~A catalyst according to claim 3, wherein the heteropolyacid is phosphotungstic acid, phosphomolybdic acid or silicotungstic acid.~~
5. (Canceled) ~~A catalyst according to claim 4, wherein the heteropolyacid is phosphotungstic acid.~~

6. (Currently Amended) A catalyst according to any preceding claim, wherein the support medium comprises an oxide selected from the group consisting of alumina, silica, titania, lanthana, zeolites and clays.
7. (Currently Amended) A catalyst according to claim 6, wherein the ~~metal~~ oxide is alumina.
8. (Canceled) ~~A catalyst according to any preceding claim, wherein the support medium is a cation exchange resin containing sulphonic acid groups —  $\text{SO}_3\text{X}^+$ , wherein  $\text{X}^+$  is a proton or any other exchangeable cation.~~
9. (Currently Amended) A catalyst according to claim ~~8~~1, wherein the cation exchange resin is a tetrafluoroethylene-perfluoro(vinyl ether sulfonate) copolymer.
10. (Original) A catalyst according to any preceding claim, wherein  $\text{R}^1$  and  $\text{R}^2$  are each an alkyl group.
11. (Original) A catalyst according to claim 10, wherein  $\text{R}^1 = \text{R}^2 = i\text{-Pr}$ .
12. (Currently Amended) Use of a catalyst according to any preceding claim, in a process of hydrogenating an aldehyde substrate to produce the corresponding primary alcohol, wherein the process is carried out in a mixture of water and an alcohol.
13. (Currently Amended) Use according to claim 12, wherein substrate conversion of at least 90% is effected, and wherein the aldehyde ~~also~~ contains at least one sulfide group that is retained in the product.
14. (Canceled) ~~Use according to claim 12 or claim 13, wherein the process is carried out in a mixture of water and an alcohol.~~